

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 November 2004 (25.11.2004)

PCT

(10) International Publication Number
WO 2004/101798 A2

(51) International Patent Classification⁷: **C12N 15/82,**
C07K 14/01

(21) International Application Number:
PCT/IT2004/000287

(22) International Filing Date: 19 May 2004 (19.05.2004)

(25) Filing Language: Italian

(26) Publication Language: English

(30) Priority Data:
RM2003A000242 19 May 2003 (19.05.2003) IT

(71) Applicants (for all designated States except US):
ENEA-ENTE PER LE NUOVE TECNOLOGIE,
L'ENERGIA E L'AMBIENTE [IT/IT]; Lungotevere
Grande Ammiraglio Thaon di Revel, 76, I-00196 Roma
(IT). **CONSIGLIO NAZIONALE DELLE RICERCHE**
[IT/IT]; Piazzale Aldo Moro, 7, I-00185 Roma (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TAVAZZA, Mario**
[IT/IT]; ENEA-Ente per le nuove Tecnologie, L'Ener-
gia e l'A, mbiente, Lungotevere G.A. Thaon Di Revel,
76, I-00196 Roma (IT). **TAVAZZA, Raffaella** [IT/IT];
ENEA-Ente per le nuove Tecnologie, L'Energia e l'A,
mbiente, Lungotevere G.A. Thaon Di Revel, 76, I-00196
Roma (IT). **LUCIOLI, Alessandra** [IT/IT]; ENEA-Ente
per le nuove Tecnologie, L'Energia e l'A, mbiente, Lun-
gotevere G.A. Thaon Di Revel, 76, I-00196 Roma (IT).
BRUNETTI, Angela [IT/IT]; ENEA-Ente per le nuove
Tecnologie, L'Energia e l'A, mbiente, Lungotevere G.A.
Thaon Di Revel, 76, I-00196 Roma (IT). **BERARDI,**
Alessandra [IT/IT]; ENEA-Ente per le nuove Tecnolo-
gie, L'Energia e l'A, mbiente, Lungotevere G.A. Thaon

Di Revel, 76, I-00196 Roma (IT). **NORIS, Emanuela**
[IT/IT]; Consiglio Nazionale delle Ricerche, Pl.le Aldo
Moro, 7, I-00185 Roma (IT). **ACCOTTO, Gian, Paolo**
[IT/IT]; Consiglio Nazionale delle Ricerche, Pl.le Aldo
Moro, 7, I-00185 Roma (IT).

(74) Agents: **GITTO, Serena** et al.; Ing. Barzanò & Zanardo
Roma S.p.A., Via Piemonte, 26, I-00187 Roma (IT).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR THE PREPARATION OF TRANSGENIC PLANTS CHARACTERISED BY GEMINIVIRUS LAST-
ING RESISTANCE

(57) Abstract: The invention relates to a method for the production of transgenic plants durably resistant against *Geminiviruses*,
wherein the transgene consists of a suitably modified polynucleotide sequence, derived by the pathogen.